BILL NO. S-81-06-29

SPECIAL ORDINANCE NO. S-164-81

AN ORDINANCE approving Change Order No. 15 for Contract No. 77-W-2 for the Water Works Improvement Filtration Plant.

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA:

SECTION 1. That Change Order No. 15 to McNamee, Porter & Seeley, Consulting Engineers, in connection with the Water Works Improvement Filtration Plant, for:

> (1) Adds bracing to the monorail frame for lifting the carbon dioxide burners; (2) Is to alarm high and low levels in the carbon slurry feeders, will make the equipment more compatible with the current operations of the plant; (3) Changes the new welding circuits to be compatible with the city's existing equipment as requested; (4) Is a circuitry change recommended by the pneumatic conveyor supplier to prevent damage to the various diverter values,

in the amount of $1,715.00, as set out in the specifications which are on file in the Office of the Board of Public Works and are by reference incorporated herein and made a part hereof be and the same is in all things ratified, confirmed and approved.

SECTION 2. That this Ordinance shall be effective from and after its passage and approval by the Mayor.

COUNCILMAN

APPROVED AS TO FORM AND LEGALITY JUNE 19, 1981.

BRUCE O. BOXBERGER, CITY ATTORNEY

Read the first time in full and on motion by Burns, seconded by Talarico, and duly adopted, read the second time by title and referred to the Committee City Utilities (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on ~~the~~ _____, the _____ day of _____, 19____, at _____ o'clock ___M.,E.S.T.

DATE: 6-23-81

Charles W. Westerman
CHARLES W. WESTERMAN
CITY CLERK

Read the ~~third~~ time in full and on motion by Burns, seconded by Eisbart, and duly adopted, placed on its passage. ~~PASSED~~ (LOST) by the following vote:

	AYES	NAYS	ABSTAINED	ABSENT	TO-WIT:
TOTAL VOTES	9				
BURNS	X				
EISBART	X				
GiaQUINTA	X				
NUCKOLS	X				
SCHMIDT, D.	X				
SCHMIDT, V.	X				
SCHOMBURG	X				
STIER	X				
TALARICO	X				

DATE: 7-14-81

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (ZONING MAP) (GENERAL) (ANNEXATION) (SPECIAL) (APPROPRIATION) ORDINANCE (~~RESOLUTION~~) No. S-164-81

on the 14th day of July, 19 81.

ATTEST: (SEAL)

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

John Nuckols
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 15th day of July, 19 81, at the hour of 11:30 o'clock A M.,E.S.T.

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Approved and signed by me this 20th day of July 19 81, at the hour of 11 o'clock A M.,E.S.T.

WINFIELD C. MOSES, JR.
MAYOR

BILL NO. S-81-06-29

REPORT OF THE COMMITTEE ON CITY UTILITIES

WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED AN ORDINANCE approving Change Order No. 15 for Contract No. 77-W-2 for the Water Works Improvement Filtration Plant

HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE do pass.

PAUL M. BURNS, CHAIRMAN

VIVIAN G. SCHMIDT, VICE CHAIRMAN

BEN A. EISBART

SAMUEL J. TALARICO

ROY J. SCHOMBURG

7-14-81 CONCURRED IN

DATE CHARLES W. WESTERMAN, CITY CLERK

Memorandum

To Board of Public Works Date 6/3/81

From Philip R. Boller, Director of Water Resources

Subject Change Order No. 15 - 77-W-2

COPIES TO:
Glen Patrick

I recommend Board of Public Works approval for the attached Change Order No. 15 for the Water Works Improvements Filtration Plant Additions for Contract No. 77-W-2. Also attached please find copy of letter dated 5/14/81 from McNamee Porter & Seeley documenting Change Order #15. Please return signed copies of the Change Order to my office for distribution. Thank you.

P R Boller

6/3/81

BOARD OF PUBLIC WORKS
RECEIVED
JUN 05 1981

70-209-12
6/10/81

McNamee, Porter and Seeley

3131 SOUTH STATE STREET · ANN ARBOR, MICHIGAN 48104 · (313) 665-6000

Consulting Engineers

ACTIVE PARTNERS
J.H. HOLLAND D.H. HOLLAND, JR. R.W. FORCE
H.R. VAN DYCK S.C. WARTHIGER R.J. SMIT
R.H. BACHTEAL R.F. BATZER P.C. YOUNGS

RETIRED PARTNERS
R.L. McNAMEE W.S. HERBERT J.C. SEELEY

May 14, 1981

Mr. Philip R. Boller, P.E.
Director of Water Resources
City-County Building
One Main Street
Fort Wayne, Indiana 46801

Re: City of Fort Wayne, Indiana
Water Works Improvements
Filtration Plant Additions
Contract 77-W-2

Dear Mr. Boller:

We submit the following documentation concerning Change Order No. 14 and Change Order No. 15.

Change Order No. 14 is in response to bulletin #12 issued to the contractor March 20, 1981. Clarifications of the proposed changes were requested on April 9, 1981. We responded to their requests on April 21, 1981.

Item #1

This change adds bracing to the monorail frame for lifting the carbon dioxide burners. This frame is utilized to maintain the burners and was braced to increase its stability.

Item #2

This item is to alarm high and low levels in the carbon slurry feeders. This will make the equipment compatible with the current operations of the plant. These alarms will assure adequate carbon slurry feed and also minimize wasteful overflow of the costly carbon.

Item #3

This item changes the new welding circuits to be compatible with the cities existing equipment as requested by the owner. During design the welding equipment was

assumed to be the standard single phase unit and was discovered during construction to require three phase power.

Item #4

Item 4 is circuitry changes recommended by the pneumatic conveyor supplier to prevent damage to the various diverter values. These requirements were not known during design of the system.

Change Order No. 15 is in response to bulletin #14 issued to the contractor April 20, 1981.

Bulletin #14 was issued at the owners request to eliminate head loss problems occurring at the chlroine dioxide generator panel. The bypass lines around the flow meters was increased from a 3/4" line to a 2" line. This will decrease the pressure at the chlorinator injector and chlorinate more efficiently.

If you require additional information, please feel free to contact us.

Very truly yours,

McNAMEE, PORTER AND SEELEY

BY Thomas Larder
Thomas Larder

TL:gh

cc: Mr. Glen Patrick
Mr. Chuck Koons

DISTRIBUTION:
City - 2
Contractor - 1
MP&S - 1
Resident Engineer-2
Glenn Patrick - 1(1 info)
File - 1
✓Contractor - 10 (Info)

McNAMEE, PORTER AND SEELEY
CONSULTING ENGINEERS
ANN ARBOR, MI

CHANGE ORDER

70-209-12
6/10/81

OWNER: City of Fort Wayne, IN

CONTRACTOR: Hagerman/Shambaugh, Joint Venture
510 W. Washington Blvd.
Fort Wayne, IN 46853

TITLE: Waterworks Improvements
Filtration Plant Addn's

CONTRACT NO: 77-W-2

CHANGE ORDER NO: 15

DATE: May 14, 1981

TO THE CONTRACTOR NAMED ABOVE:

Under the above contract and upon approval of the owner, we hereby direct you to furnish the necessary additional labor, material and equipment to:

RECEIVED
MAY 18 1981
HAGERMAN CONSTRUCTION CORPORATION

Proposed changes described in Bulletin No. 14

1. Chlorine Dioxide Generator Panel Revisions — ADD 1,715.00

CURRENT CONTRACT AMOUNT	$14,949,138.65
THIS CHANGE ORDER, ADD	1,715.00
REVISED CONTRACT AMOUNT	$14,950,853.65

McNAMEE, PORTER AND SEELEY

BY John M. Holland

Change Order No. 15
Contract No. 77-W-3
City of Fort Wayne, IN
DATE: May 14, 1981

ACCEPTED: DATE Mar 18, 1981

CONTRACTOR: Hagerman/Shambaugh, Joint Venture

BY: [signature]

RECOMMENDED: DATE June 3, 1981

CITY ENGINEER [signature]

DATE June 3, 1981

DIRECTOR OF WATER RESOURCES DIV. [signature]

APPROVED & ADOPTED DATE 6-10-81

BOARD OF PUBLIC WORKS

BY [signature]
(Chairman)

[signature]

[signature]

ATTEST: [signature]
Clerk Board of Public Works

McNAMEE, PORTER AND SEELEY
CONSULTING ENGINEERS
ANN ARBOR, MICHIGAN

TO: Hagerman/Shambaugh, Joint Bidders
510 West Washington Blvd.
Fort Wayne, IN 46853

DATE: April 20, 1981

ATTN: Ralph Turner; Ronald Hoke

PROJECT: Fort Wayne, IN
Water Works Improvement
Filtration Plant Addns.
Contract 77-W-2

BULLETIN NO. 14

INTENT: This is not a change order. This is a request to the Contractor for a detailed price breakdown of proposed changes in the work.

PROPOSED CHANGES:

Chlorine Dioxide Generator Panel Revisions

a) Delete the chlorine solution rotometer and chlorine dioxide generator individual by pass lines.

b) Install 2" PVC piping and valves to by pass both the chlorine solution rotometer and the chlorine dioxide generator combined as shown on Supplemental Drawing SM5 issued with this bulletin.

c) Provide and deliver to the Owner three (3) spool pieces to replace the chlorine solution rotometers. These spool pieces are to be installed in place of the rotometers while the rotometers are removed for maintenance.

REASON FOR CHANGE:

To decrease the back pressure at the chlorine injectors.

DISTRIBUTION:
Contractor - 10
Philip Boller - 1
Glen Patrick - 1
Don Foland - 1
Chuck Koons - 1
Shop Drawing File - 1
ADK-1

Enclosures: Supplemental Drawing SM5

N NO: 14 CONTRACT NO: 77-W-2 DATE: April 20, 1981

Will the work covered by this Bulletin require an extension of the contract completion date?_____ How Many calendar days?_____.

It is requested that the spaces provided for the change in contract amount, signature and date be filled in and _____copies returned to this office. A quotation, showing the Bulletin Number and the detailed cost setting forth the breakdown of labor, material and markup, is to be attached to each copy of the Bulletin, showing the addition, credit or no charge for each item.

McNAMEE, PORTER AND SEELEY

BY A.D. Katz

Change in Contract Amount

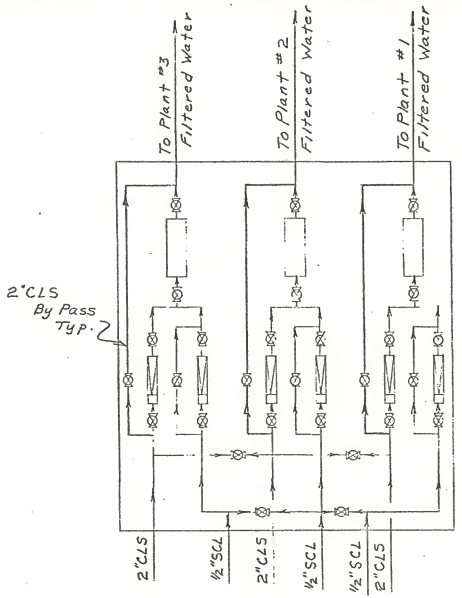
Net Contract Change_____

$(_____)

By_____

Date_____

DISTRIBUTION
Contractor



Note: For Maintanance Purposes Provide 3 Spool Pieces To Replace The 0.4 To 4.0 GPM. CLS Rotometers.

Referance Sheet M-43

McNAMEE, PORTER AND SEELEY CONSULTING ENGINEERS ANN ARBOR, MICHIGAN		FORT WAYNE, INDIANA WATER WORKS IMPROVEMENTS FILTRATION PLANT ADDITIONS Chlorine Dioxid Generator Panel Revisions	CONTRACT 77-S-2
SCALE None	DATE 4-17-81		SHEET SM-5
DRAWN TWL	CHECKED		OF

Shambaugh & Son INC.
MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER
137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

May 5, 1981

Hagerman Construction Corporation
510 W. Washington Blvd.
P. O. Box 10690
Fort Wayne, IN 46853

Attention: Mr. Ralph Turner

Reference: City of Ft. Wayne, Indiana
Water Works Improvements, Filtration Plant Additions
Shambaugh Job #6272
Bulletin #12 and #14

Gentlemen:

1. Item #2, Bulletin #12, "Carbon Slurry Alarms" -- Per McNamee, Porter & Seeley's letter dated March 20, 1981, and (April 21, 1981, copy enclosed), we will furnish and mount one (1) electrode head Type E-3 with three (3) stainless steel PVC sheathed electrodes for each rotodip. We will also furnish and install four (4) BW F1093 relays in panel CP4 and wire between relays and annunciator. Central Electric is to wire between electrode head and local control panel and from local control panel to CP-4. No painting work is included if required.

M	L	M/U	TOTAL
930	653	237	$1,820

2. Item #4, Bulletin #12, Modify pneumatic conveying circuitry with the addition of three (3) relays.

M	L	M/U	TOTAL
210	293	76	$ 579

3. Bulletin #14 -- Chlorine Dioxide Panel Revisions -- Remove pipe as required and install new 2" PVC bypass with 2" PVC ball valve per Sketch SM-5 dated April 17, 1981, as well as furnishing three (3) 1" flanged spool pieces for meter removal. No painting is included.

M	L	M/U	TOTAL
427	1,065	223	$1,715

5387

TITLE OF ORDINANCE CHANGE ORDER NO. 15 FOR CONTRACT 77-W-2 FOR THE WATER WORKS FILTRATION PLANT.

DEPARTMENT REQUESTING ORDINANCE BOARD OF PUBLIC WORKS 8-81-06-29

SYNOPSIS OF ORDINANCE CHANGE ORDER NO. 15 FOR CONTRACT 77-W-2 FOR THE WATER WORKS FILTRATION PLANT ADDITIONS. CHANGE #1 ADDS BRACING TO THE MONORAIL FRAME FOR LIFTING THE CARBON DIOXIDE BURNERS: CHANGE #2 IS TO ALARM HIGH AND LOW LEVELS IN THE CARBON SLURRY FEEDERS, WILL MAKE THE EQUIPMENT MORE COMPATIBLE WITH THE CURRENT OPERATIONS OF THE PLANT: ITEM #3 CHANGES THE NEW WELDING CIRCUITS TO BE COMPATIBLE WITH THE CITIES EXISTING EQUIPMENT AS REQUESTED: ITEM #4 is A CIRCUITRY CHANGE RECOMMENDED BY THE PNEUMATIC CONVEYOR SUPPLIER TO PREVENT DAMAGE TO THE VARIOUS DIVERTER VALUES. McNAMEE PORTER & SEELEY CONSULTING ENGINEERS.

EFFECT OF PASSAGE THIS CHANGE WILL DECREASE THE PRESSURE AT THE CHLORINATOR INJECTOR AND CHLORINATE MORE EFFICIENTLY.

EFFECT OF NON-PASSAGE ~~ABOVE DESCRIBED CHANGE CANNOT OCCUR.~~

MONEY INVOLVED (DIRECT COSTS, EXPENDITURES, SAVINGS) $1,715.00 TO BE PAID BY BOND ISSUE.

ASSIGNED TO COMMITTEE